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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/705,465	11/10/2003	Hideaki Mochizuki	FUJI 16.363A	5728
26304 7590 05/04/2007 KATTEN MUCHIN ROSENMAN LLP 575 MADISON AVENUE NEW YORK, NY 10022-2585			EXAMINER MURPHY, RHONDA L	
			ART UNIT 2616	PAPER NUMBER
			MAIL DATE 05/04/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/705,465

Applicant(s)

MOCHIZUKI ET AL.

Examiner

Rhonda Murphy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 5-9 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 5-9 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 09/369,239.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>11/10/03</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 09/369,239, filed on 8/5/99.

Claim Objections

3. Claim 8 is objected to because of the following minor informality:
In claim 8, line 2, it is suggested to insert "Phase Lock Loop" before "PPL".
4. Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 5 – 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Lovelace et al. (US 5,901,136).

Regarding claim 5, Lovelace teaches a transmission device which performs cross connection on a synchronous multiplex transmission network, said transmission device (Fig. 1; "10") comprising: a part (Fig. 7; network interface island timing system 108),

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provided in each interface part (network interface island 12 in Figures 1 and 7), which performs phase adjusting of channel signals (col. 16, lines 10-12).

Regarding claim 6, Lovelace teaches a transmission device which performs cross connection on a synchronous multiplex transmission network, said transmission device (Fig. 1; "10") comprising:

a distributing part (Fig. 7; network interface island timing system 108), provided in each interface part (network interface island 12 in Figures 1 and 7), which distributes a reference timing pulse (col. 12, lines 42-45);

a phase connecting part (Fig. 7; network interface island timing system 108), provided in said each interface part (network interface island 12 in Figures 1 and 7), which performs phase adjusting of channel signals by performing clock change for said reference timing pulse (col. 16, lines 10-12; also described in col. 12, lines 53-60).

Regarding claim 7, Lovelace teaches the transmission device as claimed in claim 6, wherein said phase adjusting part generates clock change timing by using a timer (col. 12, lines 53-60; timing generators).

Regarding claim 8, Lovelace teaches the transmission device as claimed in claim 6, wherein said phase adjusting part generates clock change timing by using PLL lock detection (col. 12, lines 31-34).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

9. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lovelace et al. (US 5,901,136) in view of Hanson et al. (US 6,081,569)

Regarding claim 9, Lovelace teaches the transmission device as claimed in claim 6, wherein said phase adjusting part comprises: a timing generating part which generates clock change timing (col. 12, lines 53-60).

Lovelace fails to explicitly disclose a window generating part which generates a narrow window and a wide window for monitoring phase of clock change timing; and monitoring said clock change timing with said narrow window during a monitoring period and by switching said narrow window to said wide window if a predetermined condition is satisfied.

However, Hanson teaches a window generating part (Fig. 3; WGC 108) which generates a narrow window and a wide window for monitoring phase of clock change

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timing (col. 6, lines 30-43); and monitoring said clock change timing with said narrow window during a monitoring period and by switching said narrow window to said wide window if a predetermined condition is satisfied (col. 5, lines 29-43; col. 6, lines 30-43).

In view of this, it would have been obvious to one skilled in the art to include a window generating part and to monitor the clock change timing within the windows, in order to determine signal frequency drifts.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Sloan et al. (US 5,515,403)

Regev et al. (US 6,636,932)

Ngai (US 6,317,442)

Holden et al. (US 6,449,274)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rhonda Murphy whose telephone number is (571) 272-3185. The examiner can normally be reached on Monday - Friday 9:00 - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu can be reached on (571) 272-3155. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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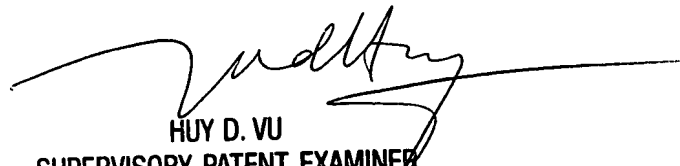
published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Rhonda Murphy
Examiner
Art Unit 2616

RM



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